

PROJECT DESCRIPTION

GENERAL

STAGE 3 OF THE PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL FOR STAGE 3 OF THE MAINTENANCE OF TRAFFIC PLAN AT U.S. 301 AND BILLINGSLEY ROAD IN CHARLES COUNTY. U.S. 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME, THAT IS, A NEMA SIX PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE U.S. 301 APPROACHES OPERATING CONCURRENTLY AND THE BILLINGSLEY ROAD APPROACHES OPERATING WITH SPLIT PHASES.

A LEAD EXCLUSIVE LEFT-TURN PHASE IS PROVIDED FOR SOUTHBOUND U.S. 301 AND LAG EXCLUSIVE LEFT-TURN PHASE FOR NORTHBOUND U.S. 301.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND EIGHT PHASE CONTROLLER WILL BE USED.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-12	STANDARD NO. MD-104.46-01 (CENTER LANE CLOSURE)
STANDARD NO. MD-104.31-01 (FLAGGING OPERATION)	STANDARD NO. MD-104.35-01 (LANE SHIFT)
STANDARD NO. MD-104.49-01 (SHOULDER WORK)	STANDARD NO. MD-104.33-02 (SHOULDER WORK)
STANDARD NO. MD-104.44-01 (LEFT-LANE CLOSURE)	STANDARD NO. MD-104.32-02 (INTERSECTION FLAGGING OPERATION)
STANDARD NO. MD-104.45-01 (RIGHT-LANE CLOSURE)	

PROJECT CONTACTS

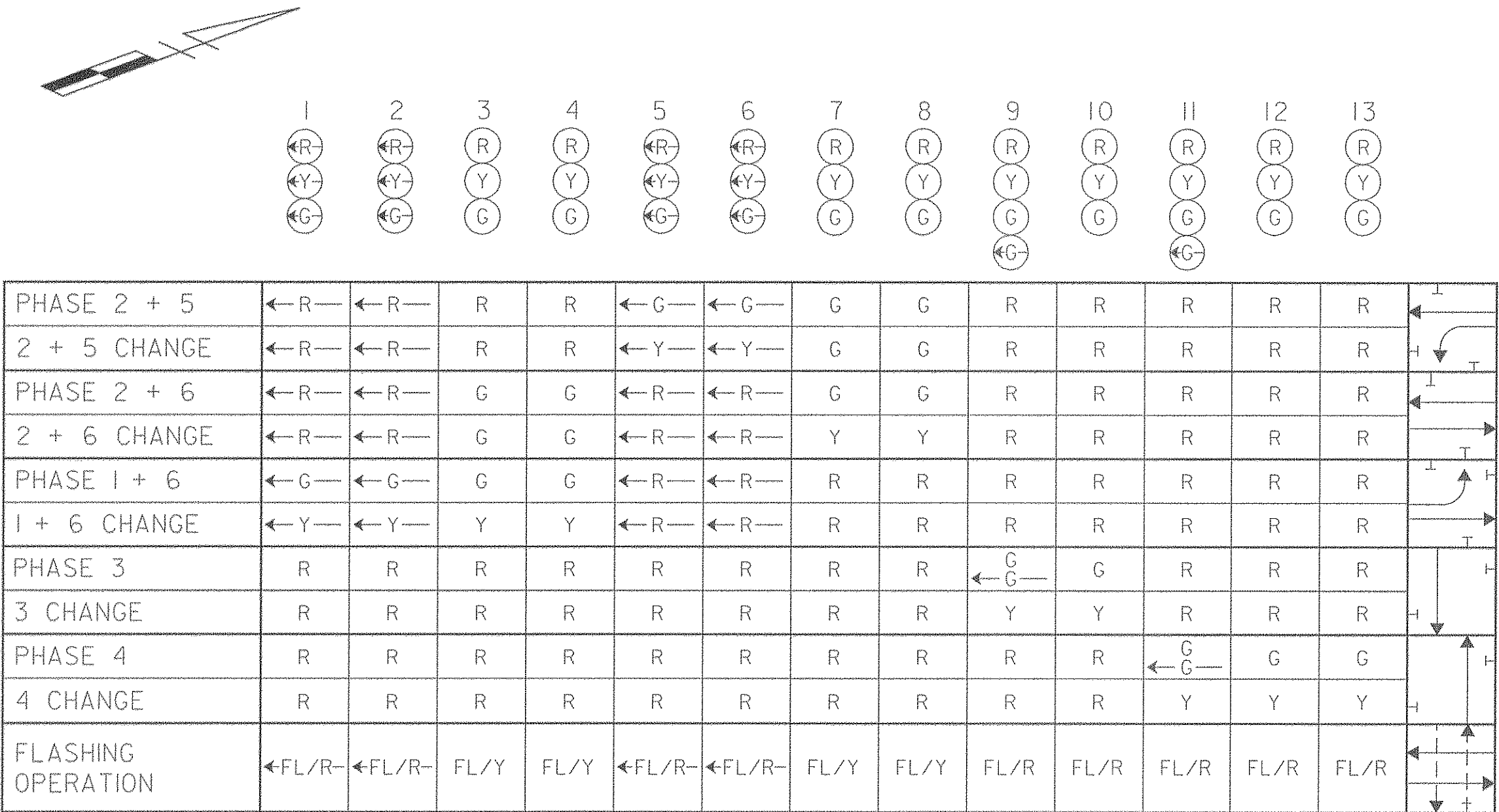
THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. PAUL D. ARMSTRONG DISTRICT ENGINEER PHONE: (410) 841-5450	MR. JOHN MAYS ASSISTANT DISTRICT ENGINEER - UTILITY PHONE: (410) 841-5450
MR. LAWRENCE E. ELLIOTT ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (410) 841-5463	MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630
MR. RAYMOND E. HUTZLER ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (410) 841-5462	

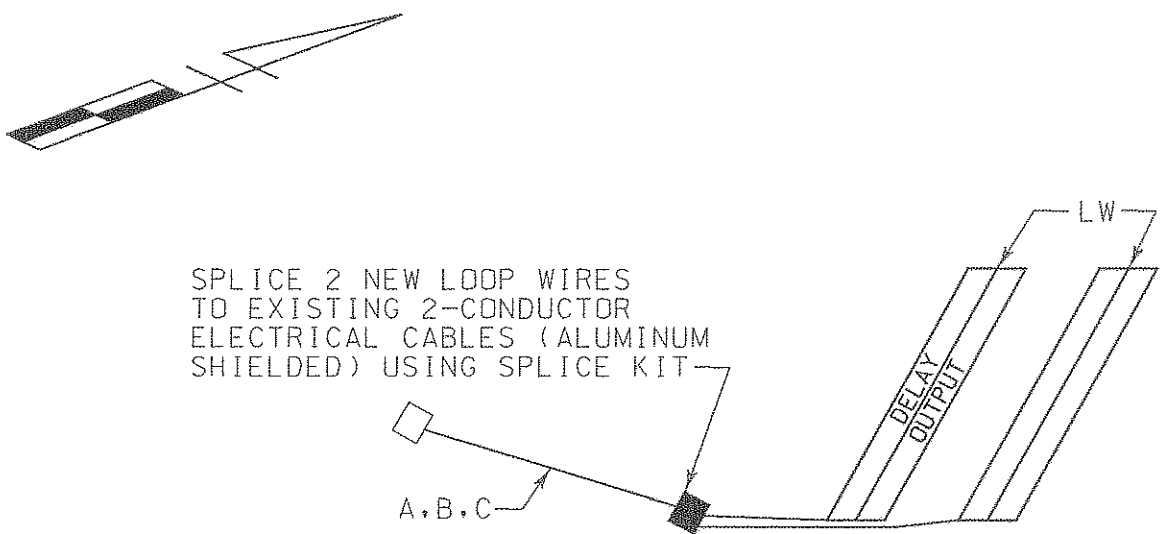
EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR	
QUANTITY	DESCRIPTION
LUMP SUM	MAINTENANCE OF TRAFFIC
1 U.D.	ARROW PANEL
20 L.F.	FURNISH AND INSTALL 1 IN. LIQUID-TIGHT NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)
2 EACH	RELOCATE SIGNAL HEAD - SPAN MOUNT
50 L.F.	RE-FEED EXISTING ELECTRICAL CABLE
950 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
250 L.F.	SAWCUT FOR SIGNAL (LOOP DETECTOR)
LUMP SUM	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT

PHASE CHART



WIRING DIAGRAM



WIRING KEY

A
B
C } EXISTING 2-CONDUCTOR ELECTRICAL CABLES
LW - LOOP WIRE (NO. 14 A.W.G.)

WR&A
Whitman, Requardt
and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

TEMPORARY TRAFFIC SIGNAL STAGE 3		
MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET U.S. 301 AND BILLINGSLEY ROAD		
DRAWN BY: S.BLOSS	F.A.P. NO. _____	TS NO. _____
CHECKED BY: N.LEARY	S.H.A. NO. _____	2454 x-3 G-1
SCALE: NONE	COUNTY: CHARLES	T.I.M.S. NO. _____
DATE: 04-00	LOG MILE: 08030121.01	D-063